

Appl. No.	:	Parent Application 10/028,129
Applicant	:	Kyung-Ju Choi
Filed	:	12/20/01
Title	:	Series Arrangement for Forming Layered Fibrous Mat of Differing Fibers and Controlled Surfaces
TC/A.U.	:	
Examiner	:	Sam Chuan C. Yao
Conf. No.	:	2880
Docket No.	:	Parent 01-5AAF (DN 8068) Dep. 04-6AAF (DN 8068-02 Apparatus)

This amendment is formatted in accordance with the notice from the patent office dated January 31, 2003 and which was published at:

<http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/revamdtprac.htm>

PRELIMINARY AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

a.) Introductory comments:

This is a divisional application of parent application Serial No. 10/028,129; filed 12/20/01 by Kyung-Ju Choi; Docket No. 01-5AAF (DN 8068); Confirmation No. 2880; Docket No. 01-5AAF (DN 8068).

In the parent application, Claims 1-20 directed to the method now have been held allowable and payment of this Issue Fee is due by 04/22/04.

Subject divisional application is directed to Claims 30-32, drawn to apparatus and all other claims of the parent application are hereinafter cancelled from this subject divisional application. A separate listing of these Claims 30-32 as filed in the parent application follows.

b.) Separate listing of Claims 30-32 as originally filed in parent application:

30.) (Original) Apparatus for manufacturing a fibrous mat comprising a first die source including spaced die orifices capable of feeding a first attenuated multiple fiber layered portion; a first selectively gap spaced longitudinally extending first rotating collector surface to receive said first layered portion; a spaced second die source including spaced die orifices capable of feeding a second attenuating multiple fiber layered portion; a second gap spaced longitudinally extending second similarly rotating collector surface to receive said second fiber layered portion, said second rotating collector surface being spaced from said first rotating collector surface; and, transfer and orientation means positioned between said first and second collector surfaces to orient and transfer said first layered mat portion from said first rotating collector surface from a selected first cross-sectional quadrant to a selected second cross-sectional quadrant of said second similarly rotating collector surface.

31.) (Original) The apparatus for manufacturing a fibrous mat of Claim 30, and at least one layered mat diverting apparatus positioned externally of one of said die sources to apply an external vortically creating force on part of one of said fiber layered portions before said portion reaches said cooperative rotating collecting source for said layered portion.

32.) (Original) Apparatus for manufacturing a fiber filter mat comprising: a first melt blown die source including spaced die orifices capable of feeding a first attenuated multiple filter fiber layer portion; a first longitudinally extending rotatable collector surface spaced from and aligned with said first die source to eventually receive said first attenuated filter fiber portion; a spaced second melt blown die source including spaced die orifices capable of feeding a second attenuated multiple filter fiber portion; a second longitudinally extending similarly rotatable collector surface spaced from and aligned with said second die source to receive said second attenuated filter fiber portion, said first die source and said aligned first rotatable collector being

spaced from said second die source and said aligned second similarly rotatable collector; a plurality of spaced longitudinally extending idler rolls positioned between said first and second rotatable collectors to orient and transfer said first layered mat portion from said first rotatable collector surface from a first selected cross-sectional quadrant to a second selected cross-sectional quadrant of said second similarly rotatable collector surface; and at least one small collector diverter positioned in spaced relation to one of said die sources to apply an external vortically creating force to part of one of said fiber layered portions before said portion reaches said cooperative rotatable collector collecting surface for said portion, and, an additional work station positioned downstream said second rotatable collector to receive combined first and second mat portions.

c.) Amendments to the Specification:

At page 1 of the parent Specification after "TITLE OF INVENTION", change the title to read: SERIES [ARRANGEMENT] APPARATUS FOR FORMING LAYERED FIBROUS MAT OF DIFFERING FIBERS AND CONTROLLED SURFACES.

At page 2 of the parent Specification, line 2, after "BACKGROUND OF THE INVENTION", insert the following additional paragraph:

--- The present application directed to Claims 30-32 is a divisional application of parent application Serial No. 10/028,189; filed 12/20/01 by Kyung-Ju Choi, method Claims 1-20 now have been held allowable in the parent application and a separate divisional application direct to apparatus Claims 30-32 is being filed herewith. ---

d.) Amendments to drawing figures:

None. Drawings as filed in the parent application have been indicated as accepted by Examiner and remain in this subject divisional application.